

Road Maintenance Appraisal -- Sale Info

Version: 20-Jun-01 Updated 6/5/03

Prepared By:	mcarr	District	7	Last Edited
Sale Name:	Helwick	Date:	2/3/2016	
Anticipated Haul Period:	7/1/2017	through	10/15/2020	Seasons 4
Length of Haul Period:				
Sale Date:	8/18/2016	to midpoint of haul period =	30.18	
Years To Mid-point of timber sale:			2.52	
Factor: Increased Rate to midpoint of haul period			1.124	

SALE CONTRACT VOLUME DATA

	Data	CCF	TONS
	TRUE		
Green and Recently Dead *	11864	11864.00	35986.00
	0	0.00	0.00
	0	0.00	0.00
	0	0.00	0.00
	0	0.00	0.00
Other	9786	9786.00	22511.00
		=====	=====
TOTAL SALE CONTRACT VOLUME (Sawtimber and Non sawtimber)		21650.00	58497.00
SALE APPRAISAL VOLUME in CCF (Sawtimber)		11864.00	

*Note: Value for CCF/TONS not entered on input screen is based on KNF standard conversion.
Enter actual sale value in appropriate cell on this screen.

ROAD MAINTENANCE APPRAISAL SUMMARY
DEFERRED MAINTENANCE - (Roadside Brushing)
C(T)5.32#
T-507

Sale: Helwick

Rd #	Termini	Seasons of Use	\$/CCF/Mile	Job Code	Cost \$/CCF/MI x IRF	Miles	Total Cost \$/CCF	Rate/Ton
2265	Units 16-22	2	\$0.04	FSRM01	0.047	6.40	\$0.09	\$0.0333
2720	Units 13, 14	0.5	\$0.04	FSRM01	0.047	0.64	\$0.01	\$0.0037
301B	Unit 12	0.5	\$0.04	FSRM01	0.047	1.60	\$0.01	\$0.0037
301A	Units 10, 10A	0.5	\$0.04	FSRM01	0.047	1.17	\$0.01	\$0.0037
301	All Units	4	\$0.04	FSRM01	0.047	5.28	\$0.16	\$0.0592
2262	Units 1,2,3,4,5,6,7,8,9	1	\$0.04	FSRM01	0.047	5.03	\$0.01	\$0.0037
2262A	Unit 1, 3	1	\$0.04	FSRM01	0.047	0.80	\$0.01	\$0.0037
152	All units - 4.3 mm to 5.48mm	4	\$0.04	FSRM01	0.047	1.18	\$0.06	\$0.0222
152	End of Pavement to FS Boundry	4	\$0.04	FSRM01	0.047	2.32	\$0.11	\$0.0407
Total Roadside Brushing Cost							\$0.47	\$0.1739

ROAD MAINTENANCE APPRAISAL SUMMARY
 DEFERRED MAINTENANCE
 MAJOR DRAINAGE STRUCTURES C(T)5.32#
 T-618

Sale: Helwick

Road No.	Termini	Seasons of Use	Length	Dist #	Job Code	# of Concrete Bridges	# of Timber Bridges	# of Major Culverts	\$/CCF All Structures	Rate/Ton
301	All Units	4	5.28	7	FSRM01	1	0	0	0.02	\$0.01
Total Major Drainage Structures Cost									\$0.02	\$0.01

ROAD MAINTENANCE APPRAISAL SUMMARY
 DEFERRED MAINTENANCE - (Surface Replacement)
 C(T)5.32#

Sale: Helwick

Road No.	Termini	Seasons of Use	Surface	Collect For	Job Code	Cost \$/CCF/MI (+IRF)	Miles	Trib Vol	Road Cost (\$/CCF)	Total Cost \$/CCF	Total Cost \$	Rate/Ton
301	All Units	4	AGG	Crush Only	FSSR06	\$0.082	5.28	13741.9	\$0.43	\$0.27	\$5,909.02	\$0.10
152	All units - 4.3 mm to 5.48mm	4	AGG	Crush Only	FSSR06	\$0.082	1.18	21650	\$0.10	\$0.10	\$2,165.00	\$0.04
Total Surface Replacement Cost										\$0.37		\$0.1400

Maintenance Specifications (C(T)5.31#)

Sale: Helwick

		MAINTENANCE SPECIFICATION NO.												
		T-Specs												
Road Number	Termini	Miles	T 101	T 103	T 108	T 113	T 301	T 310	T 506	T 507	T 508	T 618	T 619	T 710
2265	Units 16-22	6.4	P	P	P			P	P	D	P		F	F
2720	Units 13, 14	0.64	P		P			P	P	D	P		F	F
301B	Unit 12	1.6	P		P			P	P	D	P		F	F
301A	Units 10, 10A	1.17	P		P			P	P	D	P		F	F
301	All Units	5.28	P		P		P	P	P	D	P	D	F	F
2262	Units 1,2,3,4,5,6,7,8,9	5.03	P	P	P			P	P	D	P		F	F
2262A	Unit 1, 3	0.8	P		P			P	P	D	P		F	F
152	All units - 4.3 mm to 5.48mm	1.18	P		P		P	P	P	D	P		F	F
152	End of Pavement to FS Boundry	2.32	P		P		P	P	P	D	P		F	F

**ROAD MAINTENANCE APPRAISAL
DUST ABATEMENT**

Sale: Helwick

		C(T)5.31										C(T)5.314						
Road No.	Termini	Initial \$/Ftwid/Mi	Sub \$/ftwid/mi	Treatment Method	Initial	Sub1	Sub2	Sub3	Sub4	Total Cost	Treatment Method	Initial	Sub1	Sub2	Sub3	Sub4	Total Cost	
2265	Units 16-22	\$ 191.00	\$ 95.00	MAG CHL	10992	4100.4	0	0	0	\$15,092.17	-							
301	All Units	\$ 191.00	\$ 95.00	-							MAG CHL	9068.25	3382.8	0	0	0	\$12,451.04	
2262	Units 1,2,3,4,5,6,7,8,9	\$ 191.00	\$ 95.00	MAG CHL	8638.9	0	0	0	0	\$8,638.88	-							
152	All units - 4.3 mm to 5.48mm	\$ 191.00	\$ 95.00	-							MAG CHL	2026.62	756	0	0	0	\$2,782.62	
152	End of Pavement to FS Boundry	\$ 191.00	\$ 95.00	-							MAG CHL	3984.54	1486.4	0	0	0	\$5,470.92	
SubTotals										\$23,731.05								\$20,704.58
										\$1.10 /CCF \$0.41 /TON								\$0.96 /CCF \$0.35 /TON
Total Sale Dust Abatement Cost:										\$44,435.63	/ divided by	Total Sale Volume 21,650.00	=	GRAND TOTAL \$2.05 /CCF				\$44,435.63

**ROAD MAINTENANCE APPRAISAL SUMMARY
RECURRENT MAINTENANCE**

Sale: Helwick

Road Number	Termini	Surface Type	Trib Volume	Miles	Maintenance Cost		Total Cost By Funding Source					
					\$/Mile	Total	C(T)5.31# Performance \$/CCF	C(T)5.31# Performance \$/Ton	C(T)5.32# Deposit \$/CCF	C(T)5.32# Deposit \$/Ton	C(T)5.312# Reconditioning Cost Total	C(T)5.312# Reconditioning Cost \$/Ton
2265	Units 16-22	NAT	6685	6.40	\$1,145.65	\$7,332.13	\$0.34	\$0.13				
2720	Units 13, 14	NAT	1030	0.64	\$286.41	\$183.30	\$0.01	\$0.00				
301B	Unit 12	NAT	1911	1.60	\$286.41	\$458.26	\$0.02	\$0.01				
301A	Units 10, 10A	NAT	1189	1.17	\$286.41	\$335.10	\$0.02	\$0.01				
301	All Units	AGG	13741.9	5.28	\$4,018.94	\$21,219.98	\$0.98	\$0.36				
2262	Units 1,2,3,4,5,6,7,8,9	NAT	5211.1	5.03	\$572.82	\$2,881.30	\$0.13	\$0.05				
2262A	Unit 1, 3	NAT	3604	0.80	\$572.82	\$458.26	\$0.02	\$0.01				
152	All units - 4.3 mm to 5.48mm	AGG	21650	1.18	\$4,018.94	\$4,742.34	\$0.22	\$0.08				
152	End of Pavement to FS Boundry	AGG	21650	2.32	\$4,018.94	\$9,323.93	\$0.43	\$0.16				
Subtotals							\$ 2.17	\$ 0.81	\$0.00	\$0.00	\$ -	\$0.0000
Totals							\$ 2.17	\$/CCF				
							\$ 0.81	\$/TON				

ROAD MAINTENANCE APPRAISAL SUMMARY**Date: 2/3/2016**
Sale: Helwick

CONTRACT RATES			
Total Performance Maint.	(Part A)	\$/CCF	Rate / Ton
	C(T)5.31# Recurrent	\$2.17	\$0.81
	C(T)5.312# Reconditioning	\$0.00	\$0.00
	TOTAL PERFORMANCE	\$2.17	\$0.81
Total Deposits for Recurrent and Deferred Maintenance	(Part B)		
	C(T)5.32# Recurrent Collection	\$0.00	\$0.00
	C(T)5.32# Surface Replacement	\$0.37	\$0.14
	C(T)5.32# Roadside Brushing	\$0.47	\$0.17
	C(T)5.32# Major Drainage Structures	\$0.02	\$0.01
	C(T)5.32# Lake Kooacanusa Bridge	\$0.00	\$0.00
	Total Recurrent Deposits	\$0.00	\$0.00
	Total Deferred Deposits	\$0.86	\$0.32
	TOTAL REQUIRED DEPOSITS (Contract Rate)	\$0.86	\$0.32
Total Dust Abatement	(Part C)	\$2.05	\$0.76
Total Maintenance Cost		\$5.08	\$1.89

APPRAISAL RATES (2400-17)		
		\$/CCF
TOTAL REQUIRED DEPOSITS: (APPRAISAL)		\$1.57
TOTAL ROAD MAINTENANCE: (APPRAISAL)		\$9.27

Deferred Maintenance Cost Totals By Account

Sale: Helwick

Item	District	Job Code	Cost Total/CCF Deferred	Cost Total/Tons Deferred
Surface Replacement - D7 BST/SR	D7	FSSR06	\$0.37	\$0.14
Road Maintenance - D7 Road Mtce	D7	FSRM01	\$0.49	\$0.18

Recurrent Maintenance Cost Totals By Account

Sale:

Helwick

Item	District	Job Code	Cost Total/CCF Recurrent	Cost Total/Ton Recurrent

Application Rate Table**Sale:****Helwick**

Application Type	Road Number	Termini	Beg MP	End MP	Product	Application Rate	Width	Specifications References or Attached
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Road Maintenance Deposit Schedule

Sale: Helwick

C(T)5.32#

Road Number	Termini	Miles	RATE / CCF					RATE / TON				
			Asphalt	Gravel	Native	Brushing	Bridges	Asphalt	Gravel	Native	Brushing	Bridges
			T-108	T-101	T-101			T-108	T-101	T-101		
			T-113	T-108	T-108			T-113	T-108	T-108		
			T-301	T-301	T-108			T-301	T-301	T-108		
			T-310	T-310	T-310			T-310	T-310	T-310		
			T-506	T-506	T-506			T-506	T-506	T-506		
			T-508	T-508	T-508			T-508	T-508	T-508		
			T-710	T-710	T-710	T-507	T-618	T-710	T-710	T-710	T-507	T-618
2265	Units 16-22	6.40				\$0.09					\$0.03	
2720	Units 13, 14	0.64				\$0.01					\$0.00	
301B	Unit 12	1.60				\$0.01					\$0.00	
301A	Units 10, 10A	1.17				\$0.01					\$0.00	
301	All Units	5.28				\$0.16	\$0.02				\$0.06	\$0.01
2262	Units 1,2,3,4,5,6,7,8,9	5.03				\$0.01					\$0.00	
2262A	Unit 1, 3	0.80				\$0.01					\$0.00	
152	All units - 4.3 mm to 5.48mm	1.18				\$0.06					\$0.02	
152	End of Pavement to FS Boundry	2.32				\$0.11					\$0.04	
Subtotals			\$0.00	\$0.00	\$0.00	\$0.47	\$0.02	\$0.00	\$0.00	\$0.00	\$0.17	\$0.01
Total Rate/CCF			\$0.49									
Total Rate/Ton			\$0.18									

**A. Gravel, Aggregate and Native Material Surfaced Roads
Deposit Schedule**

Sale: Helwick

Road Number	Road Name	Termini	Surface Type	Actual Miles	Rate/CCF	Rate/Ton
301	Little Beaver	All Units	AGG	5.28	0.27	0.10
152	Big Beaver Creek	All units - 4.3 mm to 5.48mm	AGG	1.18	0.10	0.04
Total					0.37	0.14

**B. Bituminous and Asphalt Surfaced Roads
Deposit Schedule**

Sale: Helwick

Road Number	Road Name	Termini	Surface Type	Actual Miles	Rate/CCF	Rate/Ton
Total					\$0.00	\$0.00

Koocanusa Bridge Calculation**Sale: Helwick**

Road Number	Road Name	Length	Maint Level	Surface Type	\$/CCF	Increased Rate Factor	SORO Overhead Factor	Total \$/CCF	Rate/Ton
Koocanusa Bridge Cost								\$0.00	\$0.00

Reconditioning of Existing Roads

Sale:

Helwick

Road Number	Termini	Recon Length	Beg MP	End MP	Disposal Option